SOIL BEARING CAPACITY

City of Fort Lauderdale

Attention: Building Official

Job Address: _____

Permit Number _____

SOIL BEARING CAPACITY STATEMENT

This is to certify that this office has determined by rational analysis and the fact that the site is in a "developed site" area, that the allowable in-place bearing capacity for the proposed footings are _____ psf.

Calculations have been performed analyzing the proposed structure which will be supported on the footings. Such calculations have determined that the design bearing capacity utilized in sizing the structure footing is _____ psf.

Since the design capacity is less than the allowable capacity, the soils at the site will safely support the new structure load and comply with the Florida Building Code, 2004 Edition.

This statement is based upon Sections 1818.1 – R4404.2.1 and 1818.2 – R4404.22 of the Florida Building Code.

By: _____ Seal:
Print Name

_____
Signature

_____
Date

Section 1818. – R4404
HIGH VELOCITY HURRICANE ZONES BEARING CAPACITY OF SOIL

FBC 1818.1 – R4404.1 Design bearing capacity. Plans for new buildings, structures or additions shall clearly identify the nature of the soil under the structure and the allowable bearing capacity used in sizing the building foundation support system.

EXCEPTION: See FBC 1822.1 for plans for new buildings, structures or additions that are to be supported on a piling foundation system.

FBC 1818.2 – R4404.2 Allowable bearing capacity. Prior to the installation of any footing foundation system for new buildings, structures or additions, the building official shall be provided with a statement of allowable bearing capacity from an architect or professional engineer. Said statement shall clearly identify the allowable in-place bearing capacity of the building pad for the new building or addition and verify the existing soil conditions. The certified in-place bearing capacity shall have been determined by way of recognized tests or rational analysis and shall meet or exceed the design bearing capacity identified under FBC 1818.1 – R4404.2.1.